

MATERIAL SAFETY DATA SHEET

(GB/T 16483-2008 & GB/T 17519-2013)

Product name: Liquid Hand Sanitiser Ethanol
alcohol 75%
Revision Date: 13/03/2025
Version: 1.1

MSDS Number: SDS202501225410
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1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name : Liquid Hand Sanitiser Ethanol alcohol 75%

Recommended use of the chemical and restrictions on use

Identified use : Disinfection (for hands, skin and other surfaces)

Details of the supplier of the safety data sheet

Henan Hengchun Industrial Co., Ltd.
Southeast side of the intersection of Daobei Road
and Jingcheng Road, Xingyang City,
Zhengzhou City, Henan Province,
China.

Emergency telephone number

Tel: +86-4006388860, or contact your local
emergency telephone number.

Product Information

Tel: +86-18836617818
E-mail: seeyasun@hnhcsy.com

2. HAZARDS IDENTIFICATION

Emergency Overview

Highly flammable liquid and vapor. Consult a physician. Show this safety data sheet to the doctor in attendance.

GHS-Classification(In according to China GB standards(GB30000-2013))

Hazard classification : Flammable liquids, Category 2
Highly flammable liquid and vapor.

GHS-Labeling(In according to China GB standards(GB30000-2013))

Symbol(s) : 

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapor.

Precautionary statements : **Prevention:**
P101 If medical advice is needed, have product
container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot
surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.

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P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards

Highly flammable liquid and vapor.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product form : Mixture

Product components

| Chemical name | CAS-No. | Classification (GB 30000.2-29 – 2013) | Concentration |
|---------------|-----------|---|---------------|
| Ethanol | 64-17-5 | Flam. Liq. 2; H225 Eye Irrit. 2A; H319 | 75% |
| Water | 7732-18-5 | Not classified | 25% |

4. FIRST AID MEASURES



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| | |
|-------------------------|---|
| General advice | : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. |
| If inhaled | : Not required under normal conditions of use. If breathed in, move person into fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| In case of skin contact | : Not required under normal conditions of use. If on skin, rinse well with water. First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. If on clothes, remove clothes. If symptoms persist, call a physician. |
| In case of eye contact | : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If symptoms persist, call a physician. |
| If swallowed | : Not required under normal conditions of use. Rinse mouth with water. If symptoms persist, call a physician. |
| Symptoms | : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough, confusion, irregular heartbeat, respiratory failure. |
| Risks | : Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. |
| Treatment | : No hazards which require special first aid measures. |

5. FIREFIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, dry chemical, alcohol-resistant foam and CO ₂ . |
| Unsuitable extinguishing media | : High volume water jet. |
| Specific hazards during firefighting | : FLAMMABLE. Do not allow run-off from fire fighting to enter drains or water courses. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
| Further information | : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers. |



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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Evacuate personnel to safe areas.
Remove all sources of ignition.
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.
- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
- Additional advice : Comply with all applicable national and local regulations.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours. Do not smoke.
Avoid contact with eyes.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.

Storage

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
No smoking.
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Acids, bases and oxidizing agents.
- Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|------------|---------|-------------------------------|--------------------|--------------|
| - | - | - | - | GBZ 2.1-2019 |

Engineering measures



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Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure limits.

Personal protective equipment

Hand protection : Not required under normal conditions of use.
Eye protection : Not required under normal conditions of use.
Skin and body protection : Not required under normal conditions of use.
Hygiene measures : When using do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid
Color : Transparent
Odor : Ethanol like odor
Odor Threshold : No data available
Flash point : 21 °C
Ignition temperature : No data available
Lower explosion limit : 3.3 %(V)(ethanol)
Upper explosion limit : 19.0 %(V) (ethanol)
Flammability (solid, gas) : Flammable
pH : No data available
Melting point/freezing point : No data available
Boiling point : No data available
Density : No data available
Water solubility : Soluble in water
Partition coefficient: n-octanol/water : No data available
Solubility in other solvents : No data available
Viscosity, kinematic : No data available

10. STABILITY AND REACTIVITY

Hazardous reactions : Non-reactive under normal use, storage and transport conditions.
Chemical stability : Stable under recommend storage condition.
Conditions to avoid : Keep away from open flame, spark and other sources of ignition. Vapors may form explosive mixture with air.
Materials to avoid : Strong oxidizing agents.
Hazardous decomposition products : Decomposition products may include the following materials: Carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Ethanol:



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Acute oral toxicity : LD 50 Rat: 7,060 mg/kg

Acute inhalation toxicity : LC 50 Rat: 117 - 125 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD Lo Rabbit: 20 g/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not classified based on available information.

Persistence and degradability

No data available

Bioaccumulative potential



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Partition coefficient: n- : No data available
octanol/water

Mobility in soil

No data available

13. DISPOSAL CONSIDERATIONS

General advice : Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

International transport regulations

GROUND TRANSPORT (China Road, JT/T 617-2018)

UN Number: 1170

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Hazard classes: 3

Packaging group: II



SEA TRANSPORT/INTERNATIONAL MARITIME DANGEROUS GOODS(IMDG, 2022 edition amendment 41-22)

UN Number: 1170

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Hazard classes: 3

Packaging group: II



AIR TRANSPORT/INTERNATIONAL AIR TRANSPORT ASSOCIATION(IATA DGR, 66th edition)

UN Number: 1170

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Hazard classes: 3

Packaging group: II

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15. REGULATORY INFORMATION

Regulations on the Control over Safety of Dangerous Chemicals (Decree No. 591 of the State Council of the People's Republic of China)
General rules for preparation of chemical safety data sheet (GB16483-2008)
Guidance on the compilation of safety data sheet for chemical products(GB/T 17519-2013)
Rules for classification and labelling of chemicals(GB30000-2013)
Classification and labels of dangerous chemical substances commonly used (GB13690-2009)
List of dangerous goods (GB12268-2012)
Classification and code of dangerous goods (GB6944-2012)
Occupational exposure limits for hazardous agents in the workplace - Part 1: Chemical hazardous agents(GBZ 2.1-2019)

16. OTHER INFORMATION

Further information

Revision Date: 13/03/2025

Disclaimer:

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by us to be dependable and is accurate to the best of our knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. We assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

****End of Material Safety Data Sheet*****